

CLAIMS

1. A fluororesin which does not cause cone break, when used for insulating a core wire having a diameter of 0.05 to 0.07 mm under the conditions of a resin temperature of 320 to 370°C, a drawdown rate [DDR] of 80 to 120, a draw rate balance [DRB] of 1.0, a wire coating speed of 700 feet/minute and a insulating thickness of 30 to 50 µm.

2. The fluororesin according to Claim 1 which comprises a tetrafluoroethylene/perfluoro(alkyl vinyl ether) copolymer, a tetrafluoroethylene/hexafluoropropylene copolymer and/or an ethylene/tetrafluoroethylene copolymer, and/or a polymer alloy obtained by using at least two copolymers selected from the group consisting of a tetrafluoroethylene/perfluoro(alkyl vinyl ether) copolymer, a tetrafluoroethylene/hexafluoropropylene copolymer and an ethylene/tetrafluoroethylene copolymer.

3. A fluororesin having a critical shear rate, at 360°C, of 200 to 500 sec⁻¹, wherein said fluororesin comprises a tetrafluoroethylene/perfluoro(alkyl vinyl ether) copolymer and/or a tetrafluoroethylene/hexafluoropropylene copolymer.

4. The fluororesin according to Claim 3, whose melt flow rate, at 372°C, exceeds 60 (g/10 minutes).

5. A fluororesin whose melt flow rate, at 372°C, exceeds 60 (g/10 minutes), wherein said fluororesin comprises a tetrafluoroethylene/perfluoro(alkyl vinyl ether) copolymer and/or a tetrafluoroethylene/hexafluoropropylene copolymer.

6. The fluororesin according to any one of Claims 2 to 5,

wherein the tetrafluoroethylene/perfluoro(alkyl vinyl ether) copolymer has a perfluoro(alkyl vinyl ether) unit content of 1.9 to 4.5 mole percent relative to all the monomer units.

7. The fluororesin according to any one of Claims 1 to 6, which is a fluororesin for electric wire insulating.

8. A insulated electric wire comprising a core wire and a insulating material obtained by insulating molding of the fluororesin according to any one of Claims 1 to 7 for said core wire.

9. The insulated electric wire according to Claim 8,

wherein the core wire has a diameter of 0.02 to 0.13 mm.

10. The insulated electric wire according to Claim 8 or 9,

wherein the insulating material has a thickness of 10 to 60 μm .